

**Agenda for the Shortleaf Pine Symposium
University Plaza and Convention Center
Springfield, MO
November 7 - 9, 2006**

Monday, November 6	Activity	Meeting Room
6:00 to 8:00 pm	Registration	Colorado
Tuesday, November 7		
7:00 am	Registration	Colorado
7:00 am	Continental Breakfast	Colorado
8:00 am	Welcome	Oklahoma
8:30 am	Plenary Session (2 presentations)	Oklahoma
10:00 am	Break	Colorado
10:30 am	Plenary Session (2 presentations)	Oklahoma
12:00 noon	Lunch (provided)	Illinois
1:00 pm	2 Concurrent Sessions (8 presentations)	
	Session 1: Restoration	Oklahoma
	Session 2: Ecology	Kansas
3:00 pm	Break	Colorado
3:30 pm	2 Concurrent Sessions (4 presentations)	
	Session 1: Silviculture	Oklahoma
	Session 2: Tree improvement & genetics	Kansas
4:30 pm	2 Concurrent Sessions (4 presentations)	
	Session 1: Economics and utilization	Oklahoma
	Session 2: Soil and water	Kansas
5:30 pm	End of Sessions	
6:00 pm	Poster Session/Exhibits/Social	Colorado

Wed., November 8	Activity	Meeting Room
7:00 am	Continental Breakfast	Colorado
8:15 am	Plenary Session (3 presentations)	Oklahoma
10:30 am	Break	Colorado
11:am	Plenary Session (1 presentation)	Oklahoma
11:45 am	Lunch (provided)	Illinois
1:00 pm	2 Concurrent Sessions (6 presentations)	
	Session 1: Silviculture	Oklahoma
	Session 2: Wildlife	Kansas
2:30 pm	Break	Colorado
3:00 pm	2 Concurrent Sessions (4 presentations)	
	Session 1: Silviculture	Oklahoma
	Session 2: Tree improvement & genetics	Kansas
5:00 pm	End of Sessions	
Evening	Dinner on your own	
Thurs., November 9	Activity	Meeting Room
7:00 am	Continental Breakfast	Colorado
8:00 am	Depart for field tour	
4:30 pm	Return from field tour. Symposium ends.	

Symposium program - Tuesday, November 7, 2006

Plenary session

Oklahoma

Moderator: Larry Vangilder, Missouri Department of Conservation

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| 8:00 am | Allen
Welcome address |
| 8:30 am | Schmidtling
Genetic Variation in the Southern Pines: Evolution,
Migration, and Adaptation Following the Pleistocene |
| 9:15am | Guyette and Muzika
The historical ecology of fire, climate, and the decline
of shortleaf pine in the Ozarks |
| 10:00 am | <i>Break (refreshments provided in Colorado)</i> |

Plenary session

Oklahoma

Moderator: Mike Hoffman, Missouri Department of Conservation

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| 10:30 am | Cunningham
Social factors affecting pine management in the Ozarks |
| 11:15 am | Moser et al.
Shortleaf pine resource in the United States |
| 12:00 noon | <i>Lunch provided in Illinois</i> |

Concurrent session #1: Restoration

Oklahoma

Moderator: Tim Breen, National Park Services

- 1:00 pm **Bukenhofer**
Shortleaf pine-bluestem Woodland Restoration on the
Ouachita National Forest – Ten Years of Progress
- 1:30 pm **Tuttle**
Shortleaf Pine Natural Community Restoration on Peck
Ranch Conservation Area in the Missouri Ozarks
- 2:00 pm **Hasenbeck**
Glade/Woodland Restoration in the St Francis Mountain
Bird Conservation Area
- 2:30 pm **Nigh**
The Ozark Highlands Shortleaf Pine-Oak Woodland
Restoration Partnership
- 3:00 pm *Break (refreshments provided in Colorado)*

Concurrent session #2: Ecology

Kansas

Moderator: Rose-Marie Muzika, University of Missouri - Columbia

- 1:00 pm **Blank**
The Historical Ecology of *Pinus echinata*
- 1:30 pm **Tauer**
Shortleaf Pine: A Species at Risk?
- 2:00 pm **Rosson**
Tree species associations of *Pinus echinata* Mill. over a
large-scale sampling regime on the Interior Highlands
of Arkansas
- 2:30 pm **Stambaugh**
Successional trends of six mature shortleaf pine forests
in Missouri
- 3:00 pm *Break (refreshments provided in Colorado)*

Concurrent session #1: Silviculture

Oklahoma

Moderator: Duane Parker, Missouri Department of Conservation

3:30 pm

Henken

A review of Shortleaf Pine regeneration following commercial harvest in existing natural stands located on the Mark Twain NF near Licking, MO

4:00 pm

Hoss

Shortleaf pine seedling production and seeding trends in Missouri

Concurrent session #2: Tree Improvement and Genetics

Kansas

Moderator: Hank Stelzer, University of Missouri - Columbia

3:30 pm

Gwaze

Performance of Shortleaf Pine (*Pinus echinata* Mill.) Provenances in Missouri

4:00 pm

Studyvin

Genetic Improvement of Shortleaf Pine on the Mark Twain, Ouachita and Ozark National Forests

Concurrent session #1: Economics and Utilization

Oklahoma

Moderator: John Kabrick, USDA North Central Research Station

4:30 pm

Hartsell

Financial Rates of Return on Shortleaf Pine Stands in Arkansas Between 1978 and 1995

5:00 pm

Treiman

Timber harvest levels and pressure on shortleaf pine in Missouri

Concurrent session #2: Soil and Water

Kansas

Moderator: Doug Wallace, NRCS

4:30 pm

Ponder

Productivity of Planted Shortleaf Pine in Artificially Compacted Clarksville Soil

5:00 pm

Liechty

Amounts and spatial distribution of downed woody debris, snags, windthrow, and forest floor within SMZs occurring in shortleaf pine stands five year following harvesting

Poster session/Exhibits/Social

6:00 pm

Colorado

Symposium program - Wednesday, November 8, 2006

Plenary session

Oklahoma

Moderator: Tom Dailey, Missouri Department of Conservation

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| 8:15 am | Guldin
Restoration and management of shortleaf pine in pure and mixed stands—science, empirical observation, and the wishful application of generalities |
| 9:00 am | Larsen
Forest Stand Dynamics of Shortleaf Pine in the Ozarks |
| 9:45 am | Masters
The importance of shortleaf pine for wildlife and diversity in mixed oak-pine forests and in pine-grassland woodlands |
| 10:30 am | <i>Break (refreshments provided in Colorado)</i> |
| 11:00 am | Strong and Raum
The new Mark Twain National Forest Plan – Implications to shortleaf pine restoration |
| 11:45 am | <i>Lunch provided in the Illinois</i> |

Concurrent session #1: Silviculture

Oklahoma

Moderator: John Dwyer, University of Missouri-Columbia

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| 1:00 pm | Barnett
Regenerating shortleaf pine: Results of a 5-year cooperative research initiative |
| 1:30 pm | Massengele
Effects of site preparation sub-soiling and prescribed burning on survival and growth of shortleaf pine in the Mark Twain National Forest: results after 20 growing seasons |
| 2:00 pm | Jensen
Underplanting shortleaf pine in the Missouri Ozarks |
| 2:30 pm | <i>Break (refreshments provided in Colorado)</i> |

Concurrent session #2: Wildlife

Kansas

Moderator: Sybill Amelon, USDA North Central Research Station

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| 1:00 pm | Figg
Wildlife Diversity of restored shortleaf pine–oak woodlands in the northern Ozarks |
| 1:30 pm | Eddleman
Birds of shortleaf pine forests in Missouri: An historical and contemporary perspective |
| 2:30 pm | <i>Break (refreshments provided in Colorado)</i> |

Concurrent session #1: Silviculture**Oklahoma***Moderator: Dan Dey, USDA North Central Research Station*

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| 3:00 pm | Stambaugh
What fire frequency is appropriate for shortleaf pine regeneration and survival? |
| 3:30 pm | Sabatia
Branch and foliage biomass relations for Shortleaf Pine in Southeast Oklahoma |
| 4:00 pm | Budhathoki
An individual-tree dbh-total height model with plot random-effects for shortleaf pine |
| 4:30 pm | Blizzard
The State of Mixed Shortleaf Pine-Oak Management in Missouri |

Concurrent session #2: Tree improvement and genetics**Kansas***Moderator: Tom Byram, Western Gulf Forest Tree Improvement Program*

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| 3:00 pm | Josserand
Loblolly Pine SSR Markers for Shortleaf Pine Genetics |
| 3:30 pm | Koppleman
Phylogeographic analyses and evaluation of shortleaf pine population structure in Missouri |
| 4:00 pm | Faridi
Chromosomal Location of rDNA Genes in Shortleaf Pine (<i>Pinus echinata</i>) using Fluorescence in situ Hybridization |